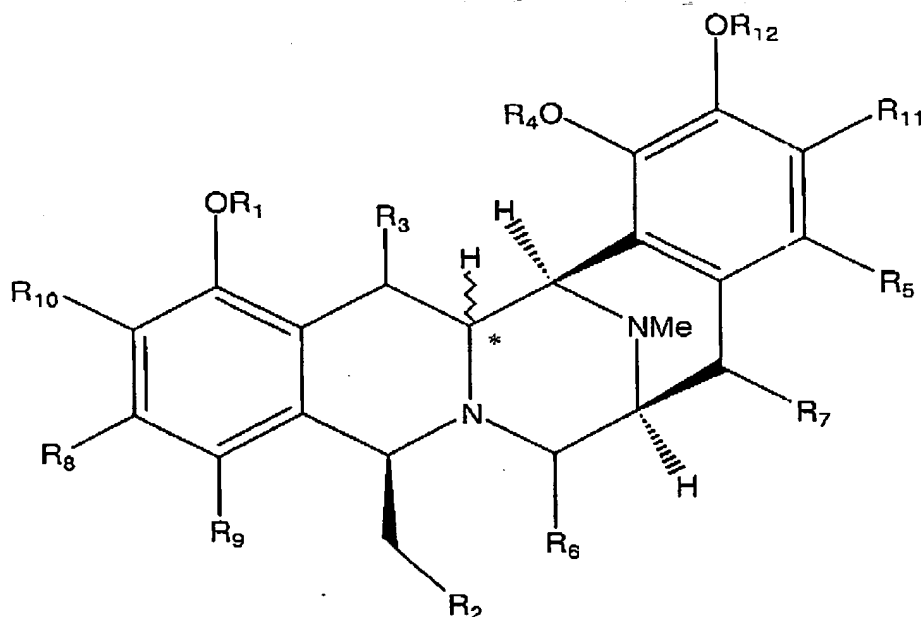


Applicants : Samuel J. Danishefsky and Bishan Zhou
 Serial No. : 10/728,580
 Filed : December 5, 2003
 Page 3

In The Claims

Please amend the claims by replacing all prior versions, and listings, of claims pursuant to 37 C.F.R. §1.121(c) as follows:

1. (Currently Amended) A compound having the formula:



wherein R_1 and R_4 is H, a C_1 to C_4 alkyl group, $C(O)(C_1-C_4$ alkyl) or benzyl;

wherein R_2 is H, OH, $O(C_1-C_4$ alkyl), O-benzyl, $OC(O)H$, ~~$OC(O)(C_1-C_6$ alkyl)~~ $OC(O)(C_1-C_4$ alkyl), $OC(O)$ benzyl, $OSi(CH_3)_2$ (t-butyl), or a phthalimide group;

wherein R_3 is =O, OH, $O(C_1-C_4$ alkyl), $OC(O)(C_1-C_2$ alkyl), or $OC(O)$ benzyl;

wherein R_5 is H, halogen, OH, or $-OC_{(1-6)}$ alkyl group;

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 4

wherein R_6 is =O, OH, OCH_3 , CN, $OC(O)H$, ~~$OC(O)(C_1-C_5-alkyl)$~~
 $OC(O)(C_1-C_4-alkyl)$, or $OC(O)benzyl$;

wherein R_7 , is H, =O, OH, or halogen;

wherein R_8 and R_9 are independently H, CH_3 , OCH_3 , OC_2H_5 ,
Br, F, or CF_3 ;

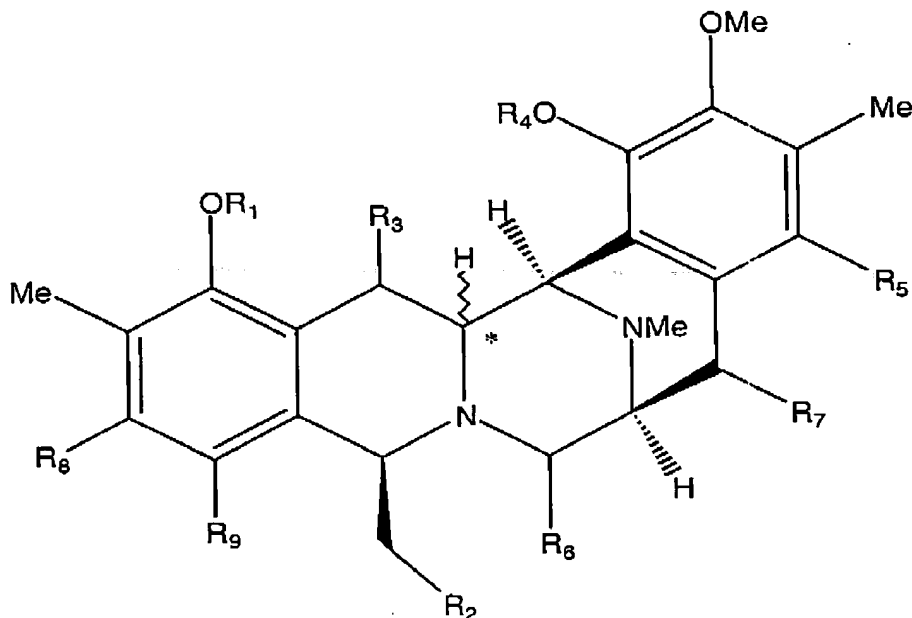
wherein R_{10} and R_{11} are independently CH_3 , OCH_3 , OC_2H_5 ,
 SCH_3 , or SC_2H_5 ;

wherein R_{12} is H, a C_1 to C_4 alkyl group, or $C(O)(C_1-C_4$
alkyl); and

wherein the chiral center marked * has the R or the S
configuration.

Applicants : Samuel J. Danishefsky and Bishan Zhou
 Serial No. : 10/728,580
 Filed : December 5, 2003
 Page 5

2. (Currently Amended) The compound of claim 1, having the formula:



wherein R₁ and R₄ is H, a C₁ to C₄ alkyl group, C(O)(C₁-C₄ alkyl) or benzyl;

wherein R₂ is H, OH, O(C₁-C₄ alkyl), O-benzyl, OC(O)H, ~~OC(O)(C₁-C₆ alkyl)~~ OC(O)(C₁-C₄ alkyl), OC(O)benzyl, OSi(CH₃)₂(t-butyl), or a phthalimide group;

wherein R₃ is =O, OH, O(C₁-C₄ alkyl), OC(O)(C₁-C₂ alkyl), or OC(O)benzyl;

wherein R₅ is H, halogen, OH, or -OC₍₁₋₆₎ alkyl group;

wherein R₆ is =O, OH, OCH₃, CN, OC(O)H, ~~OC(O)(C₁-C₅ alkyl)~~ OC(O)(C₁-C₄ alkyl), or OC(O)benzyl;

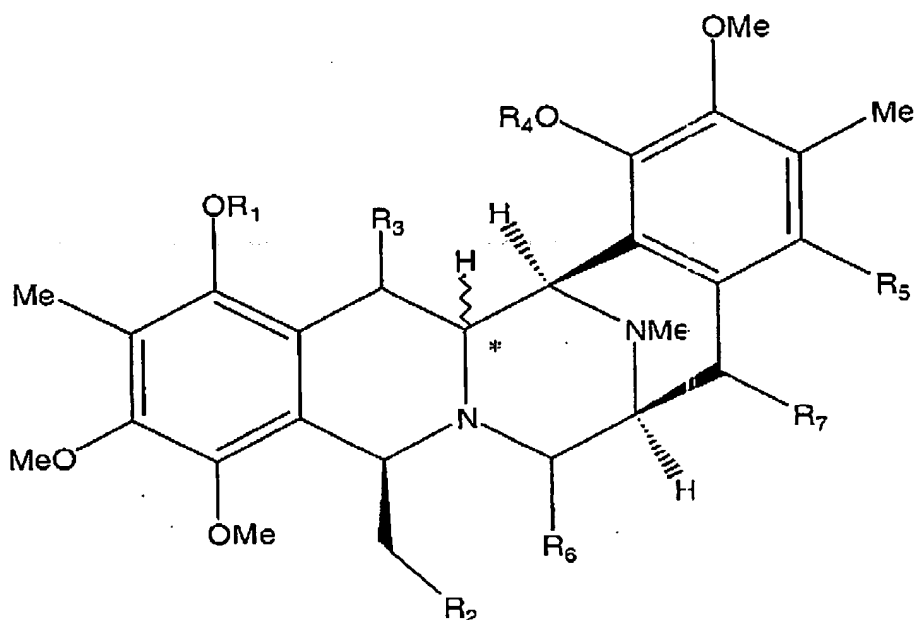
wherein R₇, is H, =O, OH, or halogen;

wherein R₈ and R₉ are independently H, CH₃, OCH₃, OC₂H₅, Br, F, or CF₃; and

wherein the chiral center marked * has the R or the S configuration.

Applicants : Samuel J. Danishefsky and Bishan Zhou
 Serial No. : 10/728,580
 Filed : December 5, 2003
 Page 6

3. (Currently Amended) The compound of claim 2, having the formula:



wherein R₁ and R₄ is H, a C₁ to C₄ alkyl group, C(O)(C₁-C₄ alkyl) or benzyl;

wherein R₂ is H, OH, O(C₁-C₄ alkyl), O-benzyl, OC(O)H, ~~OC(O)(C₁-C₆ alkyl)~~ OC(O)(C₁-C₄ alkyl), OC(O)benzyl, OSi(CH₃)₂(t-butyl), or a phthalimide group;

wherein R₃ is =O, OH, O(C₁-C₄ alkyl), OC(O)(C₁-C₂ alkyl), or OC(O)benzyl;

wherein R₅ is H, halogen, OH, or -OC₍₁₋₅₎ alkyl group;

wherein R₆ is =O, OH, OCH₃, CN, OC(O)H, ~~OC(O)(C₁-C₅ alkyl)~~ OC(O)(C₁-C₄ alkyl), or OC(O)benzyl;

wherein R₇ is H, =O, OH, or halogen and

wherein the chiral center marked * has the R or the S configuration.

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 7

4. (Original) The compound of claim 3, wherein R_1 is CH_3 , R_3 is $=\text{O}$, R_4 is CH_3 , R_5 is OCH_3 , R_6 is $=\text{O}$, and R_7 is H .
5. (Original) The compound of claim 4, wherein R_2 is $\text{OC}(\text{O})\text{H}$.
6. (Original) The compound of claim 4, wherein R_2 is H .
7. (Original) The compound of claim 4, wherein R_2 is OH .
8. (Previously presented) The compound of claim 4, wherein R_2 is $-\text{O}-\text{benzyl}$.
9. (Original) The compound of claim 4, wherein R_2 is OCOCH_3 .
10. (Original) The compound of claim 4, wherein R_2 is $-\text{O}-t\text{-butyldimethylsilyl}$.
11. (Original) The compound of claim 4, wherein R_2 is $-\text{O}-\text{Pivaloyl}$.
12. (Original) The compound of claim 3, wherein R_1 is H , R_3 is $=\text{O}$, R_4 is CH_3 , R_5 is OCH_3 , R_6 is $=\text{O}$, and R_7 is H .
13. (Original) The compound of claim 12, wherein R_2 is $-\text{O}-\text{pivaloyl}$.
14. (Previously presented) The compound of claim 3, wherein R_1 is H , R_3 is $=\text{O}$, R_4 is benzyl , R_5 is OCH_3 , R_6 is $=\text{O}$, and R_7 is H .

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 8

15. (Original) The compound of claim 3, wherein R_1 is H, R_3 is =O, R_4 is H, R_5 is OCH_3 , R_6 is =O, and R_7 is H.

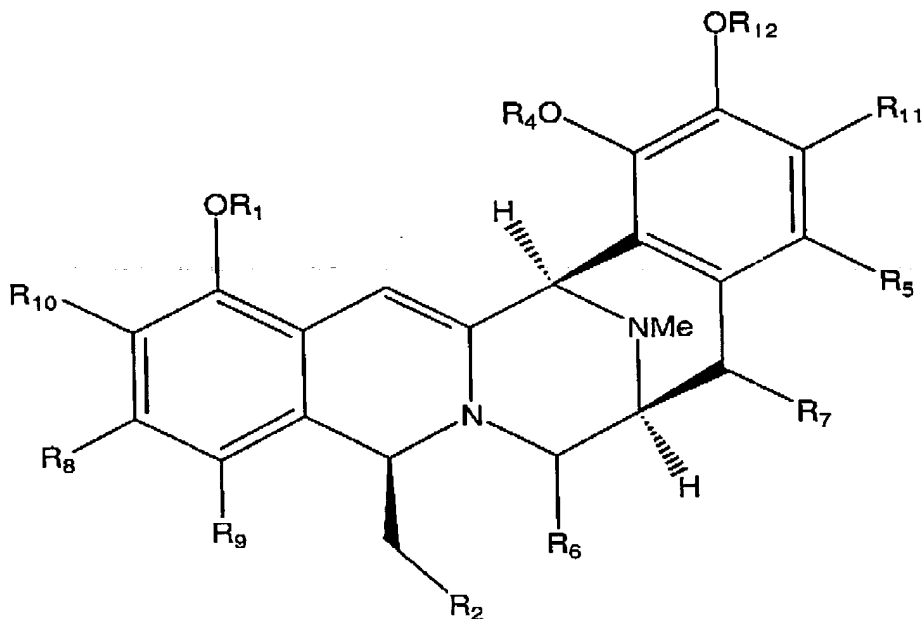
16. (Original) The compound of claim 3, wherein R_1 is H, R_3 is =O, R_4 is H, R_5 is H, R_6 is =O, and R_7 is H.

17. (Original) The compound of claim 3, wherein R_3 is =O, R_4 is H, R_5 is halogen, R_6 is =O, and R_7 is H.

18. - 32. (Canceled)

Applicants : Samuel J. Danishefsky and Bishan Zhou
 Serial No. : 10/728,580
 Filed : December 5, 2003
 Page 9

33. (Currently Amended) A compound having the formula:



wherein R_1 and R_4 is H, a C_1 to C_4 alkyl group, $C(O)(C_1-C_4$ alkyl) or benzyl;

wherein R_2 is H, OH, $O(C_1-C_4$ alkyl), β -benzyl, $OC(O)H$, ~~$OC(O)(C_1-C_6$ alkyl)~~ $OC(O)(C_1-C_4$ alkyl), $OC(O)$ benzyl, $OSi(CH_3)_2(t$ -butyl), or a phthalimide group;

wherein R_3 is H, halogen, OH, or $O(C_1-C_6$ alkyl);

wherein R_6 is =O, OH, OCH_3 , CN, $OC(O)H$, $OC(O)(C_1-C_4$ alkyl), or $OC(O)$ benzyl;

wherein R_7 , is H, =O, OH, or halogen;

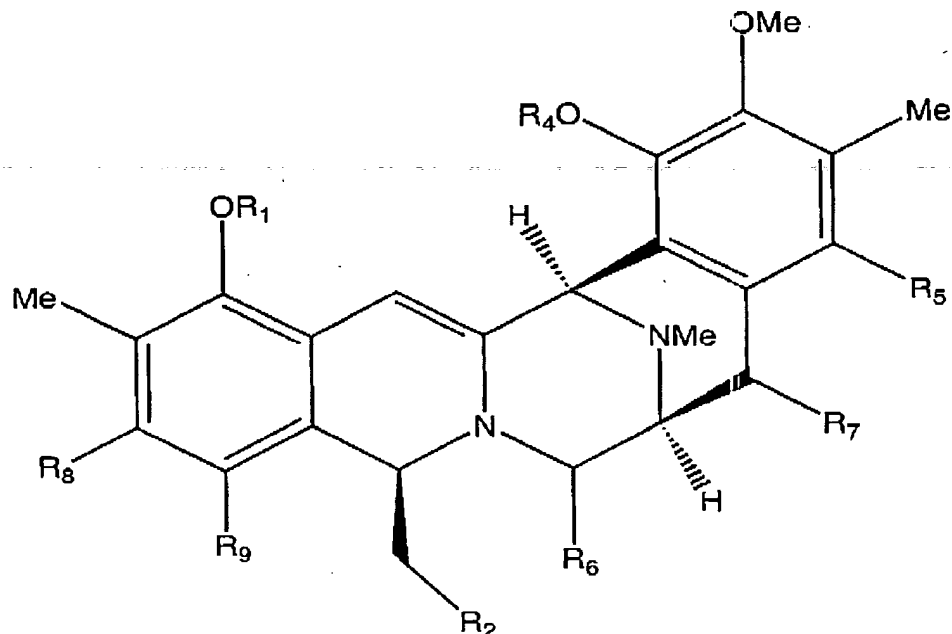
wherein R_8 and R_9 are independently H, CH_3 , OCH_3 , OC_2H_5 , Br, F, or CF_3 ;

wherein R_{10} and R_{11} are independently CH_3 , OCH_3 , OC_2H_5 , SCH_3 , or SC_2H_5 ; and

wherein R_{12} is H, a C_1 to C_4 alkyl group, or $OC(O)$ benzyl.

Applicants : Samuel J. Danishefsky and Bishan Zhou
 Serial No. : 10/728,580
 Filed : December 5, 2003
 Page 10

34. (Currently Amended): The compound of claim 33, having the formula:



wherein R_1 and R_4 is H, a C_1 to C_4 alkyl group, $C(O)(C_1-C_4$ alkyl) or benzyl;

wherein R_2 is H, OH, $O(C_1-C_4$ alkyl), O-benzyl, $OC(O)H$, ~~$OC(O)(C_1-C_4$ alkyl)~~ $OC(O)(C_1-C_4$ alkyl), $OC(O)$ benzyl, $OSi(CH_3)_2$ (t-butyl), or a phthalimide group;

wherein R_5 is H, halogen, OH, or $O(C_1-C_4$ alkyl);

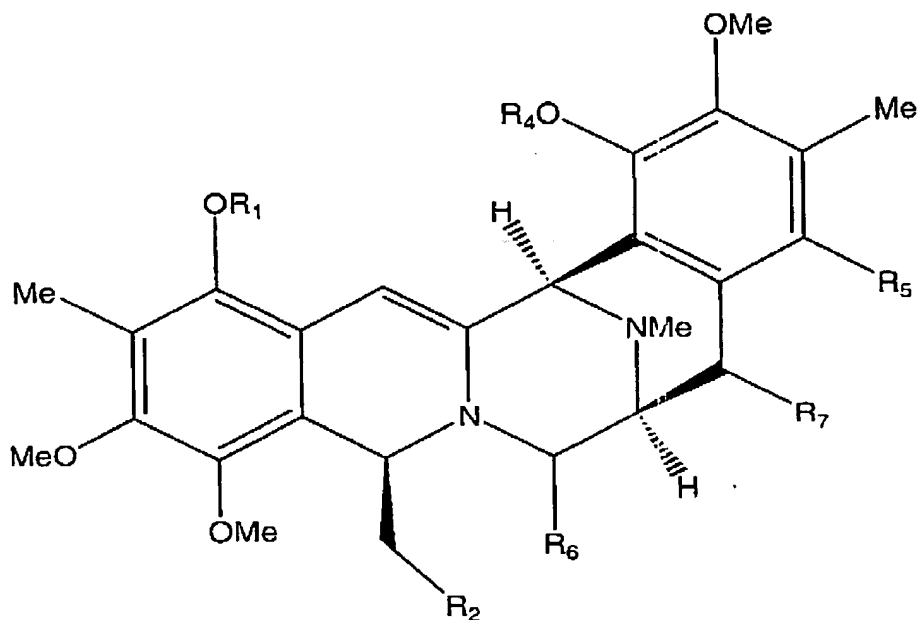
wherein R_6 is =O, OH, OCH_3 , CN, $OC(O)H$, $OC(O)(C_1-C_4$ alkyl), or $OC(O)$ benzyl;

wherein R_7 , is H, =O, OH, or halogen; and

wherein R_8 and R_9 are independently H, CH_3 , OCH_3 , OC_2H_5 , Br, F, or CF_3 .

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 11

35. (Currently Amended) The compound of claim 34, having the formula:



wherein R₁ and R₄ is H, a C₁ to C₄ alkyl group, C(O)(C₁-C₄ alkyl) or benzyl;

wherein R₂ is H, OH, O(C₁-C₄ alkyl), O-benzyl, OC(O)H, ~~OC(O)(C₁-C₆ alkyl)~~ OC(O)(C₁-C₄ alkyl), OC(O)benzyl, OSi(CH₃)₂(t-butyl), or a phthalimide group;

wherein R₅ is H, halogen, OH, or O(C₁-C₆ alkyl);

wherein R₆ is =O, OH, OCH₃, CN, OC(O)H, OC(O)(C₁-C₄ alkyl), or OC(O)benzyl; and

wherein R₇, is H, =O, OH, or halogen.

36. (Original) The compound of claim 35, wherein R₁ is CH₃, R₄ is CH₃, R₅ is OCH₃, R₆ is =O, and R₇ is H.

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 12

37. (Original) The compound of claim 36, wherein R_2 is $OC(O)H$.

38. (Original) The compound of claim 36, wherein R_2 is H.

39. (Original) The compound of claim 36, wherein R_2 is OH.

40. (Previously presented) The compound of claim 36, wherein R_2 is -O-benzyl.

41. (Original) The compound of claim 36, wherein R_2 is $OCOCH_3$.

42. (Original) The compound of claim 36, wherein R_2 is -O-t-butyldimethylsilyl.

43. (Original) The compound of claim 36, wherein R_2 is -O-pivaloyl.

44. (Original) The compound of claim 35, wherein R_1 is H, R_4 is CH_3 , R_5 is OCH_3 , R_6 is $=O$, and R_7 is H.

45. (Original) The compound of claim 44, wherein R_2 is -O-pivaloyl.

46. (Previously presented) The compound of claim 35, wherein R_1 is H, R_4 is benzyl, R_5 is OCH_3 , R_6 is $=O$, and R_7 is H.

47. (Original) The compound of claim 35, wherein R_1 is H, R_4 is H, R_5 is OCH_3 , R_6 is $=O$, and R_7 is H.

48. (Original) The compound of claim 35, wherein R_1 is H, R_4 is H, R_5 is H, R_6 is $=O$, and R_7 is H.

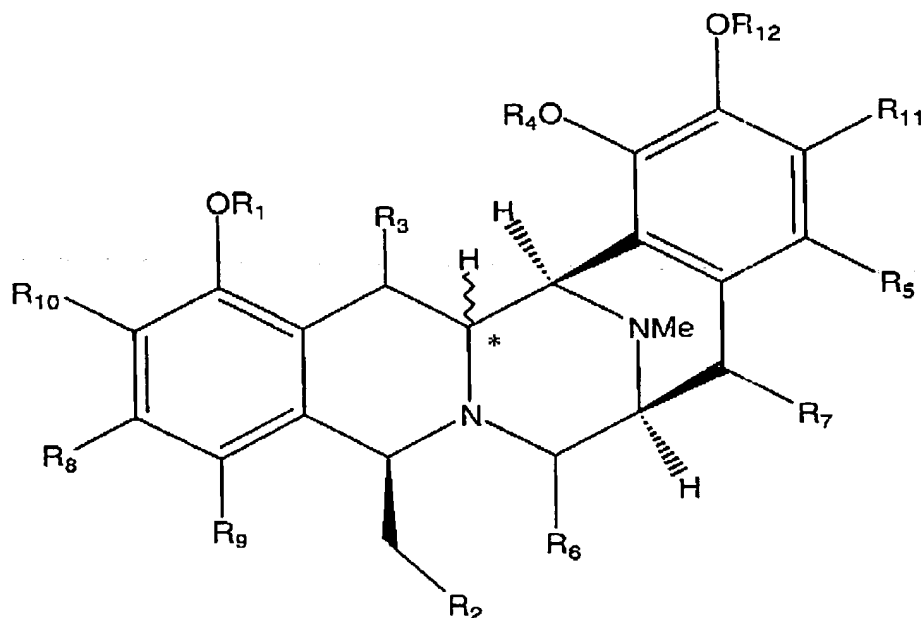
Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 13

49. (Original) The compound of claim 35, wherein R_1 is H, R_4 is H, R_5 is halogen, R_6 is =O, and R_7 is H.

50. - 83. (Canceled)

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 14

84. (Currently Amended) A compound having the formula:



wherein R₁ and R₄ is H, a C₁ to C₄ alkyl group, C(O)(C₁-C₄ alkyl) or benzyl;

wherein R₂ is H, OH, O(C₁-C₄ alkyl), O-benzyl, OC(O)H, ~~OC(O)(C₁-C₆ alkyl)~~ OC(O)(C₁-C₄ alkyl), OC(O)benzyl, or OSi(CH₃)₂(t-butyl);

wherein R₃ is =O, OH, H, O(C₁-C₄ alkyl), OC(O)(C₁-C₂ alkyl), or OC(O)benzyl;

wherein R₅ is H, halogen, OH, or -OC₍₂₋₆₎ alkyl group;

wherein R₆ is H, =O, OH, OCH₃, CN, OC(O)H, OC(O)(C₁-C₄ alkyl), or OC(O)benzyl;

wherein R₇, is H, =O, OH, OCH₃, or halogen;

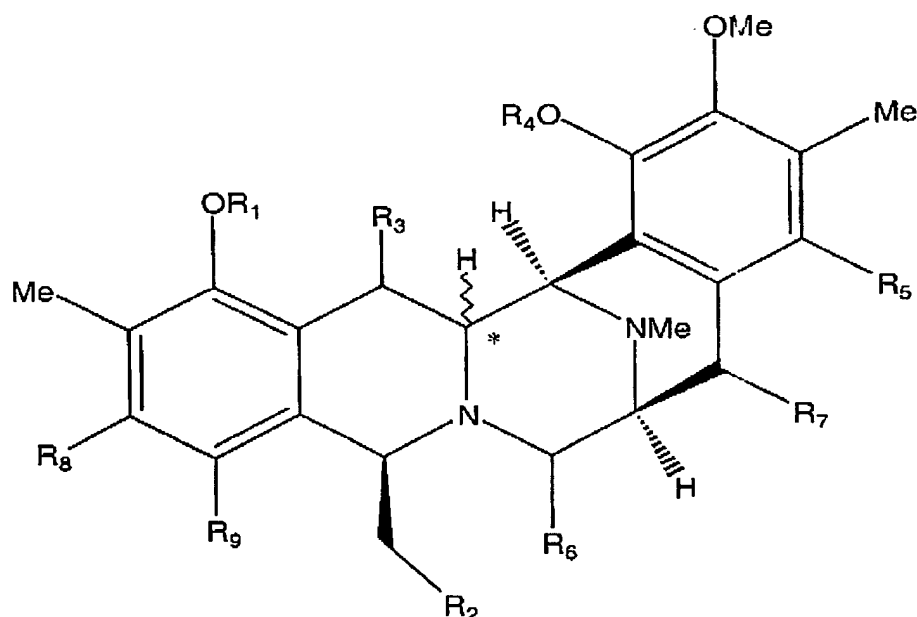
wherein R₈ and R₉ are independently H, CH₃, OCH₃, OC₂H₅, Br, F, or CF₃;

wherein R₁₀ and R₁₁ are independently CH₃, OCH₃, OC₂H₅, SCH₃, or SC₂H₅;

Applicants : Samuel J. Danishefsky and Bishan Zhou
 Serial No. : 10/728,580
 Filed : December 5, 2003
 Page 15

wherein R_{12} is H, a C_1 to C_4 alkyl group, or $C(O)(C_1-C_4 \text{ alkyl})$; and
 wherein the chiral center marked * has the R or the S configuration.

85. (Currently Amended) The compound of claim 84, having the formula:



wherein R_1 and R_4 is H, a C_1 to C_4 alkyl group, $C(O)(C_1-C_4 \text{ alkyl})$ or benzyl;

wherein R_2 is H, OH, $O(C_1-C_4 \text{ alkyl})$, O -benzyl, $OC(O)H$, ~~$OC(O)(C_1-C_6 \text{ alkyl})$~~ $OC(O)(C_1-C_4 \text{ alkyl})$, $OC(O)$ benzyl, or $OSi(CH_3)_2(t\text{-butyl})$;

wherein R_3 is =O, OH, H, $O(C_1-C_4 \text{ alkyl})$, $OC(O)(C_1-C_2 \text{ alkyl})$, or $OC(O)$ benzyl;

wherein R_5 is H, halogen, OH, or $-OC_{(2-6)} \text{ alkyl}$ group;

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 16

wherein R_6 is H, =O, OH, OCH_3 , CN, $OC(O)H$, $OC(O)(C_1-C_4$ alkyl), or $OC(O)benzyl$;

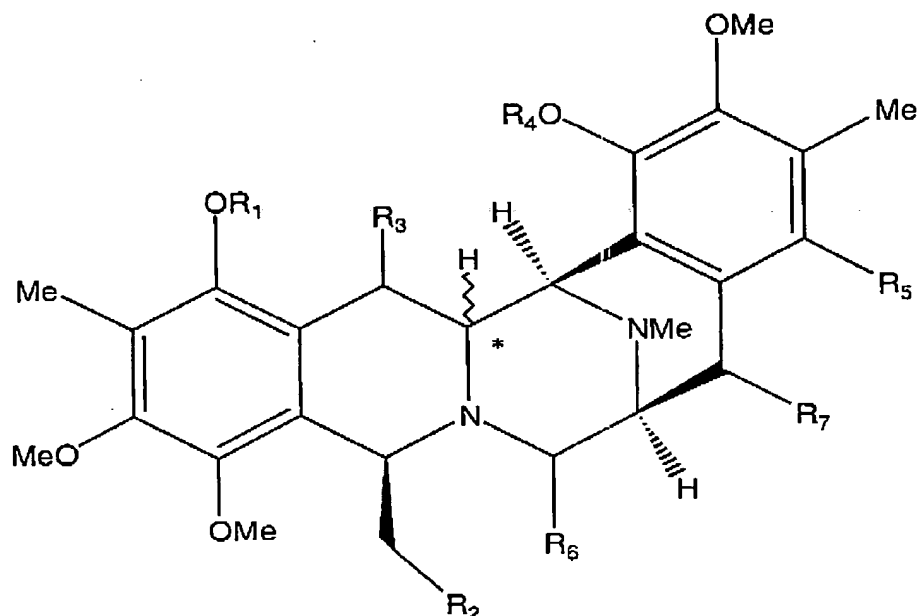
wherein R_7 , is H, =O, OH, OCH_3 , or halogen;

wherein R_8 and R_9 are independently H, CH_3 , OCH_3 , OC_2H_5 , Br, F, or CF_3 ; and

wherein the chiral center marked * has the R or the S configuration.

Applicants : Samuel J. Danishefsky and Bishan Zhou
 Serial No. : 10/728,580
 Filed : December 5, 2003
 Page 17

86. (Currently Amended) The compound of claim 85, having the formula:



wherein R_1 and R_4 is H, a C_1 to C_4 alkyl group, $C(O)(C_1-C_4$ alkyl) or benzyl;

wherein R_2 is H, OH, $O(C_1-C_4$ alkyl), O-benzyl, $OC(O)H$, ~~$OC(O)(C_1-C_6$ alkyl)~~ $OC(O)(C_1-C_4$ alkyl), $OC(O)$ benzyl, or $OSi(CH_3)_2$ (t-butyl);

wherein R_3 is =O, OH, H, $O(C_1-C_4$ alkyl), $OC(O)(C_1-C_2$ alkyl), or $OC(O)$ benzyl;

wherein R_5 is H, halogen, OH, or $-OC_{(2-6)}$ alkyl group;

wherein R_6 is H, =O, OH, OCH_3 , CN, $OC(O)H$, $OC(O)(C_1-C_4$ alkyl), or $OC(O)$ benzyl;

wherein R_7 , is H, =O, OH, OCH_3 , or halogen; and

wherein the chiral center marked * has the R or the S configuration.

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 18

87. (Previously presented) The compound of claim 86, wherein R_1 is H, R_2 is OH, R_3 is H, R_4 is H, R_5 is H, R_6 is =O, and R_7 is H.

88. (Original) The compound of claim 86, wherein R_3 is H, R_4 is CH_3 , R_5 is OCH_3 , and R_7 is H.

89. (Original) The compound of claim 88, wherein R_2 is OH.

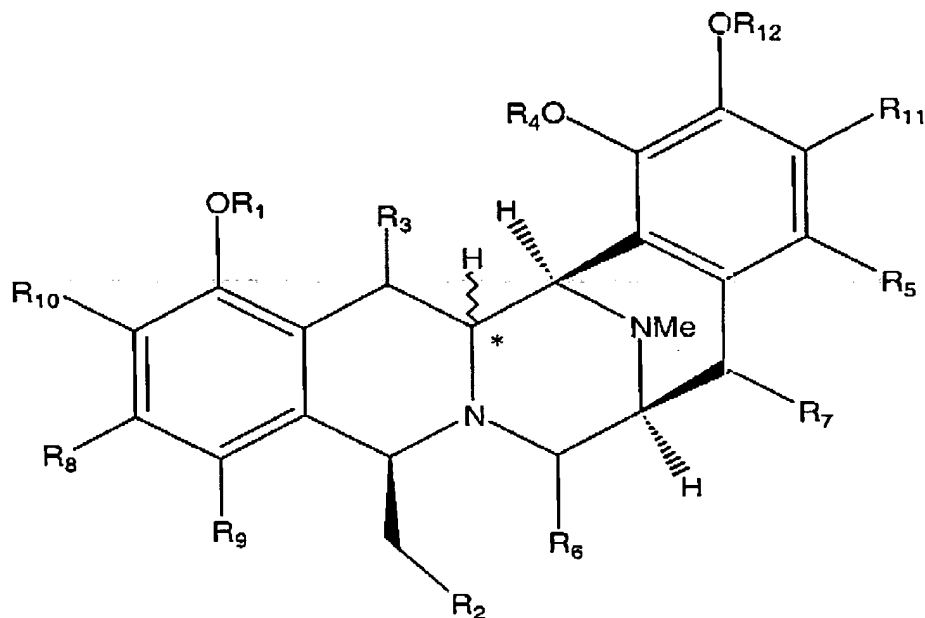
90. (Previously presented) The compound of claim 89, wherein R_6 is H and R_1 is CH_3 .

91. (Previously presented) The compound of claim 89, wherein R_6 is =O and R_1 is H.

92. - 120. (Canceled)

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 19

121. (Currently Amended) A compound having the formula:



wherein R_1 and R_4 is H, a C_1 to C_4 alkyl group, $C(O)(C_1-C_4$ alkyl) or benzyl;

wherein R_2 is H, OH, $O(C_1-C_4$ alkyl), O-benzyl, $OC(O)H$, ~~$OC(O)(C_1-C_6$ alkyl)~~ $OC(O)(C_1-C_4$ alkyl), $OC(O)$ benzyl, or $OSi(CH_3)_2$ (t-butyl);

wherein R_3 is H;

wherein R_5 is H, halogen, OH, or $-OC_{(1-6)}$ alkyl group;

wherein R_6 is H, =O, OH, OCH_3 , CN, $OC(O)H$, $OC(O)(C_1-C_4$ alkyl), or $OC(O)$ benzyl;

wherein R_7 , is H, =O, OH, OCH_3 , or halogen;

wherein R_8 and R_9 are independently H, CH_3 , OCH_3 , OC_2H_5 , Br, F, or CF_3 ;

wherein R_{10} and R_{11} are independently CH_3 , OCH_3 , OC_2H_5 , SCH_3 , or SC_2H_5 ;

wherein R_{12} is H, a C_1 to C_4 alkyl group, or $C(O)(C_1-C_4$ alkyl); and

Applicants : Samuel J. Danishefsky and Bishan Zhou
Serial No. : 10/728,580
Filed : December 5, 2003
Page 20

wherein the chiral center marked * has the R or the S
configuration.